

## ABSTRACT

The present invention relates to a system that can be either permanently and/or interactively programmed to dynamically control the rate of change of the DC current and the DC voltage, with respect to time, during the initial power up phase and thereby extend the life of both a DC power supply and a load circuit. Furthermore, the present invention can be either permanently and/or interactively programmed to dynamically control the rate of change of the DC current and the DC voltage, with respect to time, during successive power up, power down, and power up cycles. The present invention also can be either permanently and/or interactively programmed to dynamically control the maximum DC current and the maximum DC voltage when in a steady state condition.